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Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-12-11-50 Date: 17/08/2017

Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.

Address : T Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Providing Pathway and Other Works to Indira Kitchen Surround Area in Ward No.14

Agency : S Manjunath No 62 Behind Widia Ashoka nagara Nagasandra Bangalore-73

Customer's Reference : ಕಾ.ಅ/ದಾ.ವಿ/ಕಾ.ಉ/ /2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-08-2017

Sample ID No : 2018-12-11-50 /03

Customer ID : M20 CONCRETE

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/08/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 CONCRETE	M20	10/08/2017	17/08/2017	149.15 X 149.55 X 151.63	22307	8.803	408.6	18.3	18.5
2	M20 CONCRETE	M20	10/08/2017	17/08/2017	151.84 X 149.73 X 150.77	22736	8.519	423.5	18.6	
3	M20 CONCRETE	M20	10/08/2017	17/08/2017	150.11 X 149.27 X 149.26	22406	8.456	416.2	18.6	

Note:
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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO BANGALORE Sig..... Date.....

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Certificate No : TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 07/09/2017

Lab ID	:	CP-2018-12-11-50
Customer	:	Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Providing Pathway and Other Works to Indira Kitchen Surround Area in Ward No.14
Agency	:	S Manjunath No 62 Behind Widia Ashoka nagara Nagasandra Bangalore-73
Customer's Reference	:	ಕಾ.ಅ/ದಾ.ವಿ/ಕಾ.ಅ/ /2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-08-2017
Sample ID No	:	2018-12-11-50 /04
Customer ID	:	M20 CONCRETE
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 07/09/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 CONCRETE	M20	10/08/2017	07/09/2017	150.21 X 149.04 X 151.94	22387	8.105	534.4	23.9	23.2
2	M20 CONCRETE	M20	10/08/2017	07/09/2017	151.82 X 150.37 X 150.34	22831	9.085	512.8	22.5	
3	M20 CONCRETE	M20	10/08/2017	07/09/2017	150.04 X 149.26 X 150.94	22395	8.780	521.4	23.3	

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B KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO BANGALORE Sig..... Date.....

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 17/08/2017

Lab ID	:	CP-2018-12-11-50
Customer	:	Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore
Address	:	T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Providing Pathway and Other Works to Indira Kitchen Surround Area in Ward No.14
Agency	:	S Manjunath No 62 Behind Widia Ashoka nagara Nagasandra Bangalore-73
Customer's Reference	:	ಕಾ.ಅ/ದಾ.ವಿ/ಕಾ.ಆ/ /2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-08-2017
Sample ID No	:	2018-12-11-50 /05
Customer ID	:	M20 CONCRETE
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/08/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 CONCRETE	M20	10/08/2017	17/08/2017	151.78 X 149.96 X 149.95	22760	8.795	422.4	18.6	18.3
2	M20 CONCRETE	M20	10/08/2017	17/08/2017	149.90 X 151.98 X 149.79	22782	8.287	411.9	18.1	
3	M20 CONCRETE	M20	10/08/2017	17/08/2017	150.07 X 149.52 X 149.81	22439	8.325	409.6	18.3	

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO BANGALORE Sig..... Date.....

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 07/09/2017

Lab ID	:	CP-2018-12-11-50
Customer	:	Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Providing Pathway and Other Works to Indira Kitchen Surround Area in Ward No.14
Agency	:	S Manjunath No 62 Behind Widia Ashoka nagara Nagasandra Bangalore-73
Customer's Reference	:	ಕಾ.ಉ/ದಾ.ವಿ/ಕಾ.ಆ/ /2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-08-2017
Sample ID No	:	2018-12-11-50 /06
Customer ID	:	M20 CONCRETE
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	07/09/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	M20 CONCRETE	M20	10/08/2017	07/09/2017	149.75 X 149.41 X 149.58	22374	8.440	516.3	23.1	22.9
2	M20 CONCRETE	M20	10/08/2017	07/09/2017	151.91 X 150.46 X 149.23	22856	8.628	505.0	22.1	
3	M20 CONCRETE	M20	10/08/2017	07/09/2017	151.69 X 151.47 X 150.02	22976	9.082	538.7	23.4	

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TEST RESULTS OF STEEL

Lab ID	:	CP-2018-12-11-50 Date: 08-08-2017
Customer	:	Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Providing Pathway and Other Works to Indira Kitchen Surround Area in Ward No.14
Agency	:	S Manjunath No 62 Behind Widia Ashoka nagara Nagasandra Bangalore-73
Customer's Reference	:	ಕಾ.ಆ/ದಾ.ವಿ/ಕಾ.ಟ/ /2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-08-2017
Sample ID No	:	2018-12-11-50 /04
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	07-08-2017

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.392	514	622	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.617	526	636	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.887	547	671	19.0%	Satisfactory	Satisfactory

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TEST REPORT OF CEMENT CONCRETE KERB STONE

Date: 11-08-2017

Lab ID	:	CP-2018-12-11-50
Customer	:	Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Providing Pathway and Other Works to Indira Kitchen Surround Area in Ward No.14
Agency	:	S Manjunath No 62 Behind Widia Ashoka nagara Nagasandra Bangalore-73
Customer's Reference	:	ಕಾ.ಅ/ದಾ.ವಿ/ಕಾ.ಆ/ /2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-08-2017
Sample ID No	:	2018-12-11-50 /04
Sample Type /Size	:	CC Kerb Stone/ 450*165*400mm
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	07/08/2017

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	Kg	(Sq.mm)	(KN)	(N/mm2)	(N/mm2)	(N/mm2)
1	A	100.04	165.52	2.865	7859	142.1	18.1	18.1	22.6
2	B	100.02	165.56	2.793	7856	145.2	18.5	18.5	23.1
3	C	100.04	165.48	2.815	7859	145.1	18.5	18.5	23.1

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